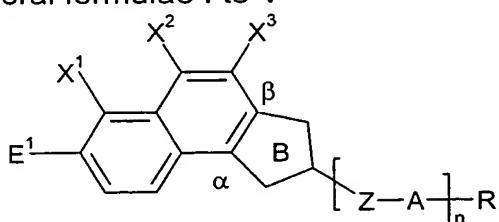


Abstract

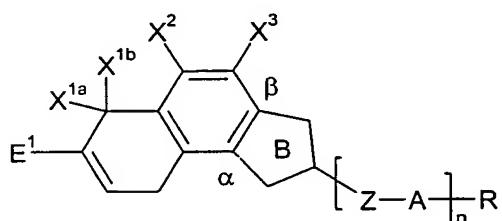
The present invention relates to cyclopenta[a]naphthalene derivatives of the general formulae I to V

5



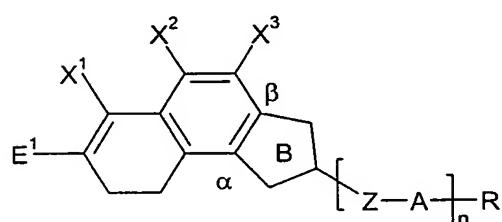
I

10



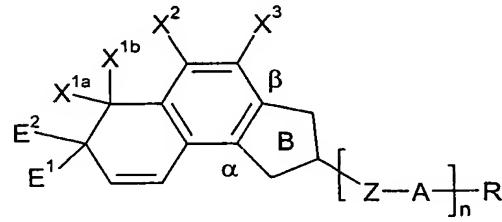
II

15



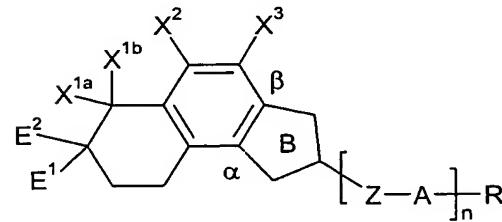
III

20



IV

25



V

30

in which B, Z, A, n, R, X¹, X^{1a}, X^{1b}, X², X³, E¹ and E² are as defined in the claims, to the use thereof in liquid-crystalline media, to liquid-crystalline media comprising at least one of these cyclopenta[a]naphthalene derivatives, and to electro-optical display elements containing these liquid-crystalline media.

35